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PATENT ABSTRACTS OF JAPAN

(11) Publication number : 05-341254
(43) Date of publication of application : 24.12.1993

(51) Int. Cl. G02F 1/13
G02B 5/28
G03B 33/12
H04N 9/31

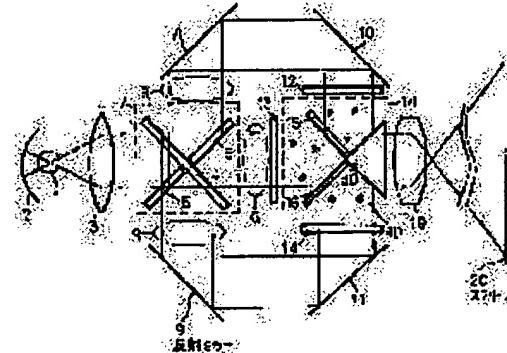
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(54) PROJECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE AND OPTICAL ELEMENT USED
THEREFOR

(57) Abstract:

PURPOSE: To solve a problem that a thin line with fluctuating color appears in the center part of a screen, and the picture quality is deteriorated due to a fact that an interval between the respective interference fringes of two dichroic mirrors arranged on the same plane, in a liquid crystal projector for synthesizing light of red, green and blue by using cross dichroic mirrors, and projecting an image on the screen through a projection lens.

CONSTITUTION: By arranging two dichroic mirrors 15, 16 in an L shape, and arranging a rectangular prism 30, the respective interference fringes formed in two sides of the prism, and the respective corresponding interference fringes of two dichroic mirrors can be arranged on the same plane at a negligible interval.



LEGAL STATUS

[Date of request for examination]
[Date of sending the examiner's decision
of rejection]

[Kind of final disposal of application
other than the examiner's decision of
rejection or application converted
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]

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